

ABSTRACT OF THE DISCLOSURE

A cooperative system includes a plurality of information systems and a hub system connected to the plurality of systems. The hub system receives a message from a first information system, determines necessity of message conversion and a kind of conversion, converts the message to a form suitable for a second information system which is destination, only when message conversion is necessary, and transmits the message to a second information system. The hub system may determine whether flow control determining a flow and destination of a message received from the first information system based on a class of the message should be conducted, and conduct flow control only when it has been determined that flow control should be conducted.